January 28, 2009

Ms. Kathrina M. Donegan
Air Pollution Control Program
St. Louis County Health
111 South Meramec Avenue
Clayton, Missouri 63105

REC'D JAN 3 0 2009 APCO

Re: Semi-Annual NSPS, NESHAP and Monitoring Reports Bridgeton Landfill, LLC, 189-0312

Dear Ms. Donegan:

On behalf of Bridgeton Landfill, LLC, enclosed are the Semi-Annual Report for the Title V Operating Permit (OP2001009), the Semi-Annual Report in accordance with New Source Performance Standards for Municipal Solid Waste Landfills 40 CFR 60 Subpart WWW (NSPS) and the Semi-Annual Report Startup, Shutdown and Malfunction (SSM) Plan per National Emissions Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills, being 40 CFR Part 63 Subpart AAAA (NESHAP). The enclosed reports serve as the 2008 Title V Semi-Annual Report, the Semi-Annual NSPS Report and the SSM Report for the period July 1, 2008 through December 31, 2008.

I certify based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate and complete.

If you have any questions, please contact James Martin at (812) 240-1939 or Lina Klein of Aquaterra Environmental Solutions at (573) 442-6391.

Sincerely,

REPUBLIC SERVICES

Tim Trost

Area President

C: Mr. Bob Randolph, MDNR-APCP

Ms. Patricia Scott, EPA Region VII

James Martin, Area Environmental Manager, Bridgeton Landfill, LLC

Rick Walker, Site Manager, Bridgeton Landfill, LLC



January 28, 2009

Ms. Kathrina M. Donegan Air Pollution Control Program St. Louis County Health 111 South Meramec Avenue Clayton, Missouri 63105

Re: Semi-Annual Startup, Shutdown and Malfunction (SSM) Report

2008 Semi-Annual Report

Bridgeton Landfill, LLC 189-0312

Air Operating Permit Number OP2001009

Reporting Period: July 1, 2008 through December 31, 2008

Dear Ms. Donegan:

The Bridgeton Landfill, LLC is subject to the National Emissions Standards for Hazardous Air Pollutants for Municipal Solid Waste Landfills, being 40 CFR Part 63 Subparts A and AAAA (NESHAP). The NESHAP requires a facility to prepare and implement a start-up, shutdown and malfunction (SSM) Plan. The SSM Plan includes the procedures for operating and maintaining affected landfill gas (LFG) collection and control equipment as well as continuous control device monitoring equipment during start-up, shutdown and malfunction events. The Bridgeton Landfill, LLC is an existing source and implemented the SSM Plan on January 16, 2003.

In accordance with 40 CFR §63.10(d)(5), a semi-annual report must be submitted to the regulatory authority within 30 days of the completion of the calendar half. The report shall contain information pertaining to the facility's compliance with the procedures in their SSM Plan during SSM events. This letter serves as the Semi-Annual SSM Report for the reporting period July 1, 2008 through December 31, 2008.

During the period of July 1, 2008 through December 31, 2008 the Bridgeton Landfill documented thirty-five (35) SSM events in accordance with the Startup, Shutdown and Malfunction Plan developed for the facility and to comply with 40 CFR 63 Subpart AAAA. During this compliance period no deviations from the SSM Plan were recorded, therefore no revisions to the SSM Plan have been required.

For the reporting period, seventeen (17) start-up and five (5) shutdown events occurred. The actions taken at the facility for all SSM events during the reporting period July 1, 2008 through December 31, 2008 were consistent with the procedures listed in the SSM Plan at the facility. Records of SSM events are maintained at the facility and available for review.

Bridgeton Landfill, LLC Semi-Annual Startup, Shutdown and Malfunction (SSM) Report 2008 Semi-Annual Report: July 1, 2008 through December 31, 2008 January 28, 2009

Please note, many of the shutdown and start-up events were the result of switching from enclosed flare #1 to enclosed flare #2.

During the reporting period, thirteen (13) malfunction events occurred, of which none caused an applicable limitation to be exceeded. Table 1 contains the date, duration and description of all malfunction events for the reporting period.

Attached is certification by the Responsible Official. If you have any questions regarding this Semi-Annual SSM Report, please contact me at (573) 442-6391.

Sincerely,

Aquaterra Environmental Solutions, Inc.

Lina Klein, P.E.

Project Manager

Michele A. Boussad

Senior Project Manager

Mach Rumel

Attachment:

Table 1 - Description of Malfunction Events

c: Mr. Bob Randolph, MDNR-APCP
Ms. Patricia Scott, EPA Region VII
James Martin, Republic Services
Niki Wuestenberg, Republic Services
Rick Walker, Bridgeton Landfill, LLC

Table 1: Malfunction Events Bridgeton Landfill, LLC Reporting Period July 1, 2008 through December 31, 2008

Date	Duration (hrs:min:sec)	Description of Malfunction (Include actions taken to correct a malfunction)	Equipment Affected	Were SSM Plan Procedures Followed?	Emission Limit Exceeded or Potentially Exceeded?"
7/1/2008 23:23	10:01:00	overvoltage at VFD	control device	Yes	No
7/2/2008 12:32	71:28:00	continous chart recorder not operational	continuous monitoring system	Yes	No
7/10/2008 6:23	0:57:00	overvoltage at VFD	control device	Yes	No
7/11/2008 3:36	3:19:00	overvoltage at VFD	control device	Yes	No
7/11/2008 7:45	1:58:00	overvoltage at VFD	control device	Yes	No
7/15/2008 0:18	6:05:00	overvoltage at VFD	control device	Yes	No
8/4/2008 14:40	1:15:00	Auto block valve failure	control device	Yes	No
8/14/2008 22:04	0:42:00	Autodialer callout	control device	Yes	No
8/23/08 22:11	36:07:00	Overvoltage due to electric spike	control device	Yes	No
8/25/08 16:53	15:00:00	Overvoltage	control device	Yes	No
8/26/08 9:47	1:07:00	Overvoltage on VFD	control device	Yes	No
8/30/08 15:17	64:47:00	VFD	control device	Yes	No
12/30/08 22:36	1:46:00	power failure - high winds	control device	Yes	No

^{*}If the malfunction event caused or may have caused an emission limit to be exceeded (i.e., raw LFG released to the air), enter YES



ART 1 - INSTALLATION IN	FORMATION AND CERTIFICA	TION				
	189	PLANT NO.	0312			
NSTALLATION NAME BRIDGETON LANDFIL						
nstallation location (street 13570 ST. CHARLES R	ADDRESS AND CITY) OCK ROAD, BRIDGETOR	N, MO 63044				
OPERATING PERMIT NUMBER		DATE OPERATING PERMIT	ISSUED			
OP2001009 (RENEWAL APPLIC	CATION SUBMITTED 8/6/04)	2/7/01				
TYPE OF REPORT						
X ANNUAL COMPLIANCE CER		UAL MONITORING REPO				
IF ANNUAL COMPLIANCE CERTIFICATION OF THE SEMI-ANNUAL MONITORIN	ATION, IS THE ANNUAL COMPLIANCE CE	RTIFICATION BEING SUBM	ITTED TO ALSO FULFILL THE	REPORTING REQUIREMENTS		
XYES NO	,					
REPORTING PERIOD START DATE		REPORTING PERIOD END	DATE			
01/01/08		12/31/08	ľ			
	RESPONSIBLE O	FFICIAL	PERMIT CO	CONTACT PERSON		
Name	TIM TROST		JAMES MARTIN			
Title	AREA PRESIDENT		AREA ENVIRONMENTAL MANAGER			
Mailing Address	13570 ST. CHARLES RO	CK ROAD,	13570 ST. CHARLES ROCK ROAD,			
	BRIDGETON, MO 63044		BRIDGETON, MO 63044			
Telephone Number	(314)739-5099		(812) 240-1939			
HAS THE ABOVE INFORMATION CE	ANGED SINCE THE ISSUANCE OF THE O	PERATING PERMIT?				
X YES NO						
VENTURAL COMPANY		· · · · · · · · · · · · · · · · · · ·				
I certify, based on information a	and belief formed after reasonable in	quiry, the statements and	information in this docum	ent are true, accurate and		
SIGNATURE OF RESPONSIBLE OFFI	ICIAL			DATE SIGNED		
01-28-09						
PRINT NAME OF RESPONSIBLE OF	FICIAL					
TIM TROST						
installation has complied with a	he signatory has verified compliance all monitoring, record keeping, repor rt. For information concerning admir ri (RSMo) and Section 643.151 RSM	ting and testing condition istrative and civil penalti	is specified in the oberacm	8 herritt miness sheemen		
MO 780-1808 (10-02)		 		PAG		



PART 2	
FIPS NO.	PLANT NO.
189	0312
INSTALLATION NAME	
BRIDGETON LANDFILL, LLC	
REPORTING PERIOD	
01/01/08-12/31/08	
1. PLANT-WIDE PERMIT CONDITIONS	
DID THE INSTALLATION EXPERIENCE ANY DEVIATIONS DURING THE	REPORTING PERIOD FROM THE PLANT-WIDE PERMIT CONDITIONS?
X YES NO	
2. EMISSION UNIT PERMIT CONDITIONS	**
DID THE INSTALLATION EXPERIENCE ANY DEVIATIONS DURING THE	REPORTING PERIOD FROM THE EMISSION UNIT PERMIT CONDITIONS?
YES XNO	
3. CORE PERMIT REQUIREMENTS	
DID THE INSTALLATION EXPERIENCE ANY DEVIATIONS DURING THE	REPORTING PERIOD FROM THE CORE PERMIT REQUIREMENTS?
YES XNO	
4. GENERAL PERMIT REQUIREMENTS	
DID THE INSTALLATION EXPERIENCE ANY DEVIATIONS DURING THE	REPORTING PERIOD FROM THE GENERAL PERMIT REQUIREMENTS?
X YES NO	restions above, and the installation has not previously reported the deviations, the
installation must complete Part 3 of the Compliance Certific	cation and Monitoring Report Form.
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10	
MO-780-1808 (10-02)	PAGE 2



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	FROM REQUIRED MONITOR	RING	N. ANTENO. 0312	DISTALL ATION NAME	BRIDGETON LA	NDFILL LLC	Serie volume	
FIPS NO. 189	PATE 1/1//08			REPORT PERIOD END	The state of the s	31/08		
REPORT PERIOD START D PERMIT CONDITION	POLLUTANT	MONITORED LEVEL	MONITORING METHOD	DEVIATION DESCRIPTION	DEVIATION DATE	DEVIATION DURATION	CAUSE OF DEVIATION	CORRECTIVE ACTION
SEE ENCLOSED NSPS	S & MACT REPORTS							
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Operation & Maintenance Plan	Flares down during testing period.	4/11/2008	1.12 hours	Control Device Not Operational	The enclosed flare was non- operational from approximately 10:33 to 11:40 on 4/11/08 while conducting testing. Flare #2 was manual started approximately 1 hour later.
PW006 - Monitoring Condition 3	NMOC	N/A	Continuous Monitoring System	Landfill gas flow and temperature not recorded	5/12/2008	5.87 hours	Continuous Monitoring System Recorder Not Operational	The circle chart recorders we disconnected while installing variable frequency drives an digital chart recorders. Recording resumed approximately 5.87 hours late
PW006 - Monitoring Condition 3	NMOC	N/A	Continuous Monitoring System	Landfill gas flow and temperature not recorded	5/16/2008	9.25 hours	Continuous Monitoring System Recorder Not Operational	The circle chart recorders we disconnected while installing variable frequency drives an digital chart recorders. Recording resumed approximately 5.87 hours late.
PW006 - Monitoring Condition 3	NMOC	N/A	Continuous Monitoring System	Landfill gas flow and temperature not recorded	5/19/2008	4 hours	Continuous Monitoring System Recorder Not Operational	The circle chart recorders we disconnected while installin variable frequency drives an digital chart recorders. Recording resumed approximately 5.87 hours late



PART 3 - DEVIATIONS 1	FROM REQUIRED MONITOR	ING	B B B B B B B B B B B B B B B B B B B					
FIPS NO. 189			PLANT NO. 0312	INSTALLATION NAME	BRIDGETON LA			
REPORT PERIOD START DA	ATE 1/1//08			REPORT PERIOD END D	ATE 12/	31/08		NAME OF TAXABLE PARTY OF BUILDING
PERMIT CONDITION	POLLUTANT	MONITORED LEVEL	MONITORING METHOD	DEVIATION DESCRIPTION	DEVIATION DATE	DEVIATION DURATION	CAUSE OF DEVIATION	CORRECTIVE ACTION
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	1/9/2008	9.5 hours	Low Temperature	
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	1/11/2008	5.75 hours	Low Temperature	•
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	1/11/2008	14.5 hours	Low Temperature	The continous chart recorder indicated that flare #2 operate at a temperature below the
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	1/13/2008	84 hours	Low Temperature	compliance temperature during portions of the first two quarters of 2008. The issue was resolved at the beginning of April, and the flare has operated at temperatures above.
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	1/17/2008	25.5 hours	Low Temperature	the compliant temperature since that time.
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	1/18/2008	235.75 hours	Low Temperature	
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	1/29/2008	54.25 hours	Low Temperature	



PART 3 - DEVIATIONS FROM REQUIRED MONITORING PLANT NO. 189 PLANT NO. 0312 INSTALLATION NAME BRIDGETON LANDFILL, LLC								
FIPS NO. 1 89	· · · · · · · · · · · · · · · · · · ·						·	
REPORT PERIOD START D				REPORT PERIOD END I	DATE 12/.	31/08	CAUSE OF	
PERMIT CONDITION	POLLUTANT	MONITORED LEVEL	MONITORING METHOD	DEVIATION DESCRIPTION	DEVIATION DATE	DEVIATION DURATION	CAUSE OF DEVIATION	CORRECTIVE ACTION
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	2/1/2008	30.5 hours	Low Temperature	
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	2/2/2008	18.5 hours	Low Temperature	
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	2/5/2008	5 hours	Low Temperature	The continous chart recorder indicated that flare #2 operated at a temperature below the
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	2/6/2008	22.75 hours	Low Temperature	compliance temperature during portions of the first two quarters of 2008. The issue was resolved at the beginning of April, and the flare has operated at temperatures above
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	2/8/2008	7.5 hours	Low Temperature	the compliant temperature since that time.
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	2/8/2008	10.5 hours	Low Temperature	
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	2/9/2008	116 hours	Low Temperature	



PART 3 - DEVIATIONS FR	OM REQUIRED MONITO	RING		ALERSON IN				
FIPS NO. 189	·		PLANT NO. 0312	INSTALLATION NAME	BRIDGETON LA			
REPORT PERIOD START DATI			· · · · · · · · · · · · · · · · · · ·	REPORT PERIOD END I	DATE 12/	31/08		
PERMIT CONDITION	POLLUTANT	MONITORED LEVEL	MONITORING METHOD	DEVIATION DESCRIPTION	DEVIATION DATE	DEVIATION DURATION	CAUSE OF DEVIATION	CORRECTIVE ACTION
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	2/14/2008	4 hours	Low Temperature	
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	2/17/2008	189.25 hours	Low Temperature	
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	2/25/2008	379.75 hours	Low Temperature	The continous chart recorder indicated that flare #2 operate at a temperature below the compliance temperature durin portions of the first two quarters of 2008. The issue
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	3/12/2008	9.75 hours	Low Temperature	was resolved at the beginning of April, and the flare has operated at temperatures abov the compliant temperature since that time.
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	3/14/2008	357.5 hours	Low Temperature	
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Control Device	Temperature below compliance temperature	4/1/2008	15.75 hours	Low Temperature	
PW006 - Reporting Condition 1	NMOC	N/A	Operation & Maintenance Plan	Failure to Submit required Exceedance reports	1/1/08-6/30/08	N/A	incidents of high O2, high temp, positive pressure	Deviations from monitored parameters were provided to SLCDOH 7/21/08



PART 3 - DEVIATIONS	ART 3 - DEVIATIONS FROM REQUIRED MONITORING PLANT NO. 0312 INSTALLATION NAME BRIDGETON LANDFILL, LLC							
FIPS NO. 189					101			
REPORT PERIOD START I		MONITORED LEVEL	MONITORING METHOD	REPORT PERIOD END D DEVIATION DESCRIPTION	DEVIATION DATE	31/08 DEVIATION DURATION	CAUSE OF DEVIATION	CORRECTIVE ACTION
PW006 - Recordkeeping	NMOC	N/A	Operation & Maintenance Plan	Failure to keep up-to date, readily available onsite records of control equipment compliance monitoring	3/1/08-5/31/08	N/A	Technician on site was unaware of the location of the hard copy of the data	Wellhead data for months of March and April provided to SLCDOH 7/1/08. The appropriate personnel were informed of where to locate all data.
General Permit Condition 1.(V)(II)(D)	NMOC	N/A	Operation & Maintenance Plan	Flare #1 shutdown	7/1/2008	10 hours	Control Device Not Operational	The enclosed flare was non- operational from approximately 11:23 PM on 7/1/08 to 9:24 AM on 7/2/08 due to overvoltage on the variable frequency drive. The flare was manually restarted at 9:24 AM on 7/2/08.
PW006 - Monitoring Condition 3	NMOC	N/A	Continuous Monitoring System	Landfill gas flow and temperature not recorded	7/2/2008	72 hours	Continuous Monitoring System Recorder Not Operational	Maintenance was performed on electronic chart recorder for flare #1 during the period spanning from approximately 12:32 PM on 7/2/08 to 12:00 PM on 7/5/08.



PART 4		
FIPS NO.	PLANT NO.	
189	0312	
INSTALLATION NAME BRIDGETON LANDFILL, LLC		
REPORTING PERIOD 01/01/08 - 12/31/08		
WERE THERE ANY OTHER MONITORING DEVIATION CONTROL PROGRAM DURING THIS RI	ON (EXCESS EMISSION) REPORTS SUBMITTED TO THE MISS EPORTING PERIOD?	OURI DEPARTMENT OF NATURAL RESOURCES- AIR
XYES NO (IF YES, SUBMIT A C	COPY OF THE REPORT OR COMPLETE THE DEVIATION	ON REPORT SUMMARY BELOW)
PERMIT CONDITION	REPORTING REQUIREMENT	DATE REPORT SUBBITTED TO THE DEPARTMENT
SEE ATTACHED NSPS AND MACT	REPORTS	
PW006 Reporting Condition 7	Submit NSPS semiannual report of records; report includes deviations from 10 CSR 10-5.490	7/30/08 (Reporting period 1/1/08 - 6/30/08) 1/31/09 (Reporting period 7/1/08 - 12/31/08)
	Submit SSM events in accordance with site's SSM Plan; report includes SSM events	7/30/08 (Reporting period 1/1/08 - 6/30/08) 1/31/09 (Reporting period 7/1/08 - 12/31/08)
General Permit Condition 1.(II)(A)(1)	Submit Title V Semi Annual Report	7/30/08 (Reporting period 1/1/08-6/30/08) 1/31/09 (Reporting period 7/1/08 - 12/31/08)
General Permit Condition 1.(V)(II)(D)		Exceedance Reports for the following reporting periods: Reporting period 11/12/07 - 1/4/08; Reporting period 6/6/08; Reporting period 3/11/08 - 3/12/08; Reporting period 3/26/08; Reporting period 5/11/08 - 5/12/08; Reporting period 5/25/08 - 5/30/08; Reporting period 6/30/08; Reporting period 6/30/08; Reporting period 8/4/08 - 8/6/08; Reporting period 8/14/08; Reporting period 8/21/08 - 8/26/08; Reporting period 8/26/08; Reporting period 8/30/08 - 9/2/08; Reporting period 9/3/08 - 9/4/08; Reporting period 9/15/08 - 9/16/08; Reporting period 9/18/08; Reporting period 10/1/08 - 10/6/08; Reporting period 10/1/08 - 10/6/08; Reporting period 10/16/08 - 10/20/08; Reporting period 11/13/08 - 11/14/08;



PLANT NO.	
0312	
	TO THE OWNER OF A PROPERTY AND
ON (EXCESS EMISSION) REPORTS SUBMITTED TO THE MIS EPORTING PERIOD?	SSOURI DEPARTMENT OF NATURAL RESOURCES- AIR
OPV OF THE REPORT OR COMPLETE THE DEVIAT	ION REPORT SUMMARY BELOW)
OF TOP THE REPORT OF COMPLETE THE DEVIL	
	DATE REPORT SUBMITTED TO THE
REPORTING REQUIREMENT	DEPARTMENT
	Reporting period 11/13/08 - 12/2/08;
	Reporting period 11/20/08 - 11/21/08; Reporting period 11/25/08 - 11/26/08;
	Reporting period 12/8/08 - 12/10/08;
	Reporting period 12/23/08 - 12/26/08;
	Reporting period 12/30/08 - 12/31/08.
ATTACH ADDITION PAGES, AS NEEDE	PAGE
	ON (EXCESS EMISSION) REPORTS SUBMITTED TO THE MISSION PROPRING PERIOD? OPY OF THE REPORT OR COMPLETE THE DEVIATE REPORTING REQUIREMENT.